MISSOURI MONTHLY VITAL STATISTICS

Provisional Statistics
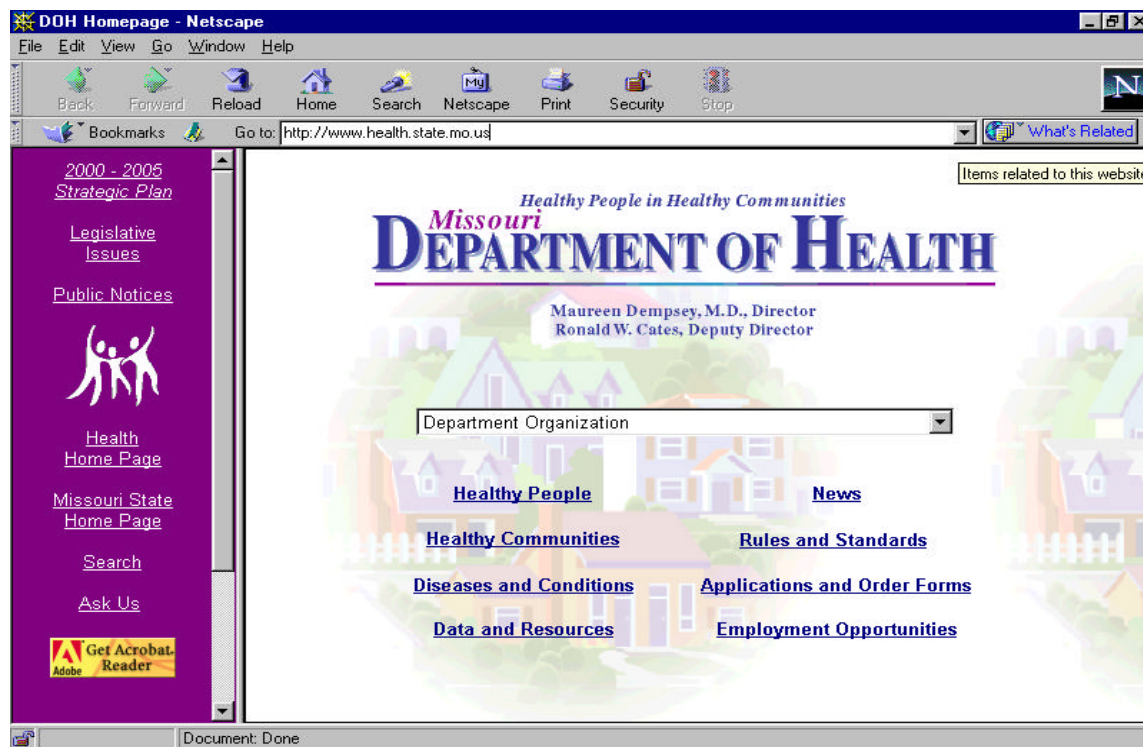
From The

August 2000   VOL. 34 NO. 6

*Focus. . .*The Missouri Department of Health Web Site, MICA (Missouri Information for Community Assessment) and Community Health Planning Profiles

The State of Missouri faces many health issues. Not all health threats impact communities equally. Therefore, to improve the health of the state overall, communities and the state must tailor programs to address problems where they exist, using appropriate public health interventions designed to work in that community.

With this in mind, the Missouri Department of Health disseminates the most current and accurate information on all aspects of health in Missouri. By logging into the Missouri Department of Health's homepage (http://www.health.state.mo.us) an individual can access information on legislation relating to the department, managed care consumer's and buyer's guides, the latest new releases and publications, along with access to the Missouri Information for Community Assessment (MICA) and the Community/County Health Planning Profiles and their related resource pages. (See Exhibit 1)
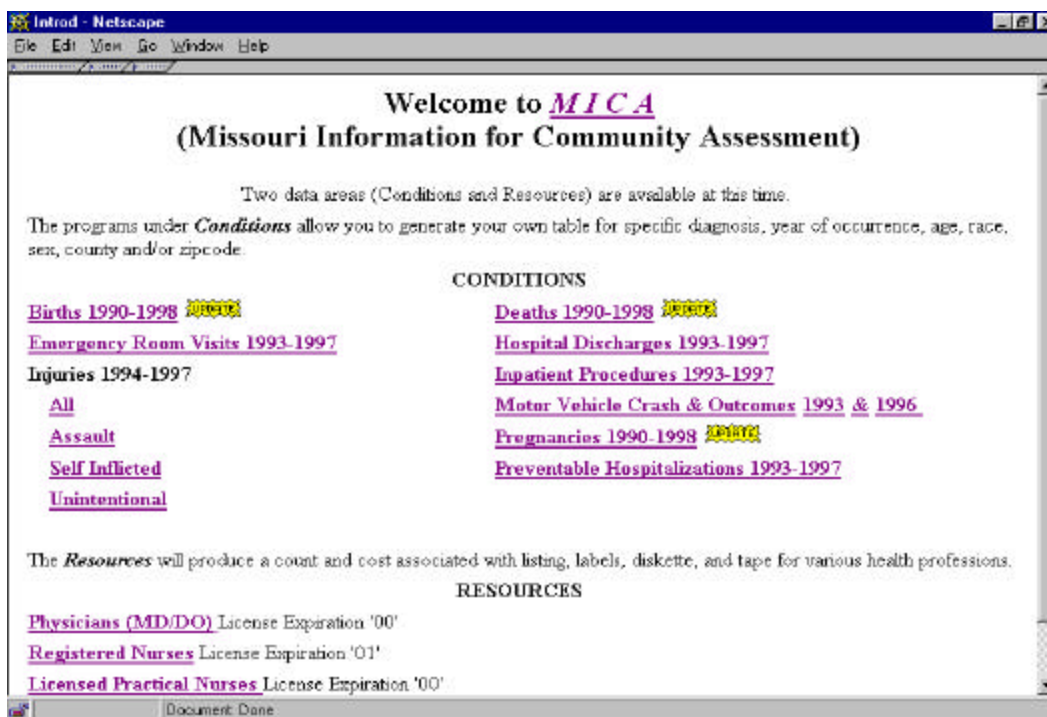
EXHIBIT 1

The Missouri Information for Community Assessment (MICA) system is a breakthrough effort in offering an easy-to-use Internet tool for communities and public health professionals to access health information and data. This interactive system allows users access to health information that may be used in setting policies, guiding health programs and educating policymakers and citizens on their communities' health status. (See Exhibit 2)

status and county or zip code of residence. Once the basic table structure is selected, the user may easily constrain the variables to select the specific information desired. Clicking on table headers will open additional tables to show more detailed data on the category. Age-adjusted and age-specific rates and row or column percentages may also be displayed at the user's option.

Once the data table is created, the user has the ability to download the data for use in other applica-

Welcome to *M I C A*
(Missouri Information for Community Assessment)

Two data areas (Conditions and Resources) are available at this time.

The programs under *Conditions* allow you to generate your own table for specific diagnosis, year of occurrence, age, race, sex, county and/or zipcode.

CONDITIONS

Births 1990-1998   Deaths 1990-1998
Emergency Room Visits 1993-1997   Hospital Discharges 1993-1997
Injuries 1994-1997   Inpatient Procedures 1993-1997
  All   Motor Vehicle Crash & Outcomes 1993 & 1996
  Assault   Pregnancies 1990-1998
  Self Inflicted   Preventable Hospitalizations 1993-1997
  Unintentional

The *Resources* will produce a count and cost associated with listing, labels, diskette, and tape for various health professions.

RESOURCES

Physicians (MD/DO) License Expiration '00'
Registered Nurses License Expiration '01'
Licensed Practical Nurses License Expiration '00'

EXHIBIT 2

By accessing MICA, an individual can follow simple steps to summarize health data, calculate rates, and prepare information in a graphic format for presentation. Users can choose from among the many conditions and generate ad hoc data tables of percents or age-adjusted rates by year of occurrence, age, gender, race, county or zip code of residence.

MICA provides data on causes of deaths, births, hospital discharges, emergency room visits, inpatient procedures, all injuries, assault injuries, self-inflicted injuries, unintentional injuries, pregnancies, preventable hospitalizations, linked motor vehicle crashes and hospital discharges, physicians, RNs and LPNs.

MICA allows a person to choose the variables for the table rows and columns. Some of the variables are diagnosis, cause of death, birth condition, year of occurrence, age, gender, race, Medicaid

tions such as Microsoft Excel to produce a chart or graph. Instructions for downloading can be found by click on "Help - - Definitions" at the top of the first page of the MICA. Definitions of data, documentation of data and variable and issues information about data contained with the MICA can also be found here.

The user can produce a map with counties shaded according to user-defined criteria.

Data for MICA are extracted and summarized for the highest level of detail from files maintained by the Missouri Department of Health. The data are summarized and the frequencies are pre-computed for each combination of the variables. This provides two major advantages: the response time to create and return a table is usually less than five seconds and no individual record can be accessed. Confidentiality rules have been developed to protect the privacy of

individuals.

The system uses the facilities provided by a web browser and Internet server using Common Gateway Interface (CGI). It consists of HTML programs, C programs and a key lookup database.

INSTRUCTIONS TO CREATE SPECIFIC TABLES

1. Trend data for several years

Select years as row or column variable. Select desired years.

2. County data compared with state data

Select counties as the row variable. Select state and hold down *control key* and select specific county.

3. One-way table

Select any variable as row variable, and then select year as column variable. Select only one year.

4. Multiple causes of death

Select causes as row variable. Hold down *control key* and select desired causes.
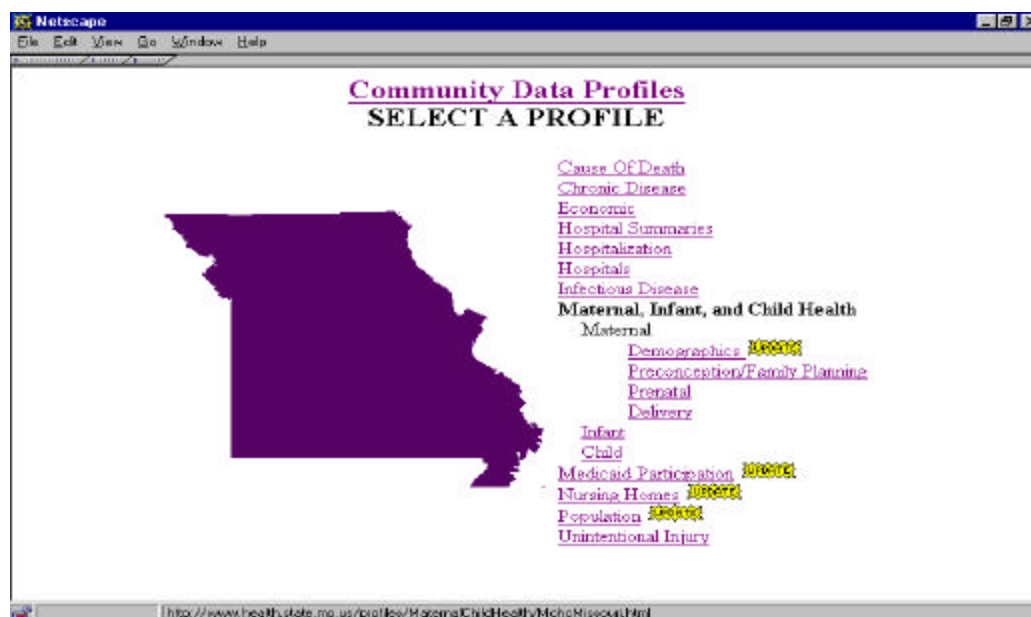
5. All counties

Select county as row variable, click on first county and hold down *shift key* while clicking on last county.

The Department of Health also created Community Health Planning Profiles, which are also accessible through the web site (http://www.health.state.mo.us) (See Exhibit 3). These profiles provide quick and easy access to health data and resources. Presently, there are county profiles on thirteen subject areas including death, chronic disease, economic factors, hospitalizations, infectious disease, unintentional injuries, Medicaid participation, population estimates, local public health systems, leading health problems, maternal, infant and child health, management/capacity variables for hospitals and nursing homes. Each county profile has one or more years of data on 15 to 30 indicators, and provides number of events, rates, statistical significance, testing with the state rate, quintile ranking and the state rate. For selected counties with a large enough African-American population, race data is also provided. Each indicator is then linked to a resource page that provides a definition of the indicator, various risk factors for the condition, condition description, intervention strategies to either prevent the condition or improve the outcome, state and community resources and programs, published reports, and other related web sites.

In addition to subject specific profiles there is a Leading Problems profile for each community. This profile displays the indicators for that community selected from all profiles, which are in the highest quintile of counties and statistically significantly higher than the state rate. For indicators where the number of events is too small to calculate quintiles, the significance test alone can qualify the indicator as a leading problem.

Currently resource pages are completed for about 25 percent of the indicators. The Department of Health is continuing to update these resource pages and expand the number of profiles and MICAs available to better meet the needs of our data users.

Provisional Vital Statistics for June 2000

Live births increased in June as 7,610 Missouri babies were born compared with 6,705 in June 1999.

Cumulative births for the 6- and 12-month periods ending with June also show increases. For the first half of 2000, births increased by 3.3 percent from 37,386 to 38,636.

Deaths decreased slightly in June as 4,241 Missourians died compared with 4,417 one year earlier. For each of the three time periods shown below the death rate was the same for 1999 and 2000.

The **Natural increase** for Missouri in June was 3,369 (7,610 births minus 4,241 deaths). The natural increase was also higher for the 6- and 12-month periods ending with June.

Marriages decreased in June and for January-June, but increased for the 12 months ending with June.

Dissolutions of marriage increased for all all three time periods shown below. For the 12 months ending with June, the marriage to divorce ratio decreased from 1.76 in 1999 to 1.73 in 2000.

Infant deaths increased slightly for all three time periods. For the 12 months ending with June the infant deaths increased from 7.5 to 7.7 per 1,000 live births..

PROVISIONAL VITAL STATISTICS FOR JUNE 2000

Item	June Number 1999	June Number 2000	June Rate* 1999	June Rate* 2000	Jan.-Jun. cumulative Number 1999	Jan.-Jun. cumulative Number 2000	Jan.-Jun. cumulative Rate* 1999	Jan.-Jun. cumulative Rate* 2000	12 months ending with June Number 1999	12 months ending with June Number 2000	12 months ending with June Rate* 1998	12 months ending with June Rate* 1999	12 months ending with June Rate* 2000
Live Births	6,705	7,610	14.9	17.5	37,386	38,636	13.8	14.2	76,273	77,008	13.8	14.0	14.0
Deaths	4,417	4,241	9.8	9.8	28,589	28,586	10.5	10.5	54,794	54,952	9.8	10.0	10.0
Natural increase ...	2,288	3,369	5.1	7.8	8,797	10,050	3.2	3.7	21,479	22,056	3.9	3.9	4.0
Marriages	7,024	5,125	15.6	11.8	20,538	20,471	7.6	7.5	43,443	45,247	8.0	8.0	8.3
Dissolutions	1,957	2,298	4.3	5.3	12,077	13,641	4.4	5.0	24,707	26,220	4.7	4.5	4.8
Infant deaths	49	52	7.3	6.8	287	290	7.7	7.5	571	591	7.5	7.5	7.7
Population base .... (in thousands)	...	...	5,468	5,500	...	...	5,468	5,500	...	...	5,423	5,454	5,484

* Rates for live births, deaths, natural increase, marriages and dissolutions are computed on the number per 1000 estimated population. The infant death rate is based on the number of infant deaths per 1000 live births. Rates are adjusted to account for varying lengths of monthly reporting periods.

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Alternate forms of this publication for persons with disabilities may be obtained by contacting the Missouri Department of Health, Center for Health Information Management & Epidemiology/Bureau of Health Data Analysis, P.O. Box 570, Jefferson City, MO 65102; phone (573) 751-6278. Hearing-impaired citizens telephone 1-800-735-2966.